



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 19 87 17 12

Classification of the application (IPC):  
**C12N 15/11, A61K 45/06**

Technical fields searched (IPC):  
C12N

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y	WO 2014159990 A1 (YALE UNIVERSITY [US]) 02 October 2014 (2014-10-02) * the whole document *	1-15
Y	<b>W. PILS ET AL.:</b> "Flexible non-nucleotide linkers as loop replacements in short double helical RNAs" <i>NUCLEIC ACIDS RESEARCH</i> , 01 May 2000 (2000-05-01), vol. 28, no. 9, DOI: 10.1093/nar/28.9.1859, ISSN: 0305-1048, pages 1859-1863, XP055086791 * the whole document *	1-15
A	<b>KANDIMALLA E.R. ET AL.:</b> "Secondary structures in CpG oligonucleotides affect immunostimulatory activity" <i>BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ELSEVIER, AMSTERDAM NL</i> , 11 July 2003 (2003-07-11), vol. 306, no. 4, DOI: 10.1016/S0006-291X(03)01080-5, ISSN: 0006-291X, pages 948-953, XP004432112 * the whole document *	1-15
Y	WO 2004015075 A2 (DHARMA CON, INC. [US]) 19 February 2004 (2004-02-19) * the whole document *	1-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 31 July 2023	Examiner Macchia, Giovanni
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### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 31-07-2023  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO2014159990	A1	02-10-2014	US	2016046943 A1	18-02-2016
			US	2021054380 A1	25-02-2021
			WO	2014159990 A1	02-10-2014
WO2004015075	A2	19-02-2004	AU	2003256857 A1	25-02-2004
			US	2004058886 A1	25-03-2004
			WO	2004015075 A2	19-02-2004